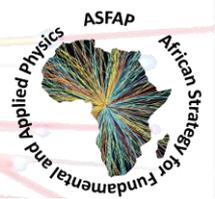




African Strategy for Fundamental and Applied Physics



Accelerator / computing / Instrumentation & Detector

WORKING GROUPs

-

Convenors :

Ulrich Goerlach, Ghita Rahal, Sanae Samsam

AFSAP – Towards the final report

General Wrap-up

- Points raised during the “cross cutting fields ” session are collected in the google doc below
- Still missing is the zoom chat content.
- Suggestion: addressing sustainability?

<https://docs.google.com/document/d/1AcZFrABDfjbfVfA2mr1Tl8lkBwgrMcgFG8ei4OQCKTw/edit?tab=t.0#heading=h.bx9u4mwuq9wu>

Here is only a brief overview

Accelerators: Points to address

Things to add:

Address the list of recommendations:

- Number of participants in the survey.
- Design and maintenance of new accelerators.
- Refer to all north African countries regarding the strategic location to build the proposed compact light source instead of only mentioning Morocco.
- Reconstruction of the session about High-priority future needs, since there was a summary of the session that feels like a concluding sections.
- *Contact me if you want me to refer to your chapter, section ...*

Time scale: end of February 2025

Computing: Wrap-up

- Add some information related to existing computing infrastructures in Africa (expect output from you)
- Something more detailed about HPC.
- Contributions expected to be completed (Bryan Johnson & co.)
 - New projects already planned in Africa?

Goal:

- All new material and stuff must be included by the middle of January.
- 2 weeks to restructure the document according to the information therein.
- Document expected to be given to Executive committee by middle of February.

Detectors and Instrumentation: Roadmap and conclusion

Content:

- Extend description of landscape in instrumentation, maintenance problems, expertise.
- Add tables of existing equipment/centers? Relate to scientific out come? But will be very difficult and incomplete!
- Better get an up to date list, maybe even more difficult.
- Add more cross references to and from other chapters. Scan those for overlooked instrumentation projects
- Try to find updates of submitted Lols
- Recommendations:
 - ICEPA(AIMS-like international center)
 - Add intermediate proposition like Instrumentation schools at existing laboratories ?
 - Regional topical conferences, a step to regional collaboration and creation of regional centers
 - Small physics experimentation and the Internet of Things
 - In general integrate instrumentation into university curriculum and continue to support existing facilities and invest in new equipment
- Conclusions: Formulate less negative?!

Form/presentation:

- Avoid references to Lol numbers, replace List by table with (short) names

Time scale: 1st half of February 2025

THANK YOU